α700

Digital SLR Camera

SONY

like.no.other™

Sublime image quality

- Newly developed, 12.2-megapixel CMOS sensor —Exmor™
- Advanced Bionz™ image processing engine
- Super SteadyShot® inside —advanced body-integrated image stabilization effective with all α lenses

Sensational viewing

- HDMI port for direct, high-quality playback on a full-size HDTV screen with PhotoTV HD
- high quality playback on large screen Full HD TV
- Large, 3.0" 921,000-dot (approx.) Xtra Fine LCD

State-of-the-art camera features

- Fast and accurate 11-point center dual cross AF sensor
- Full-resolution, 5 fps continuous shooting
- Quick Navi interface for easy, intuitive operation
- All this and more packed in a dust- and moisture-resistant* magnesium alloy body

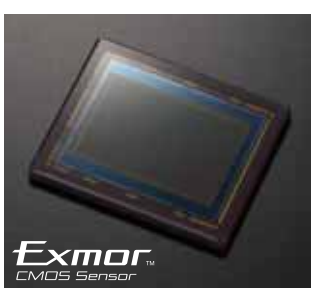
Not waterproof or splashproof.

Breathtaking quality from capture to playback

α700

Revolutionary new 12.2-megapixel (effective) CMOS sensor —Exmor™

35mm F1.4G (SAL35F14G), M mode,
1/320 sec., F4, ISO 200,
White balance: Custom

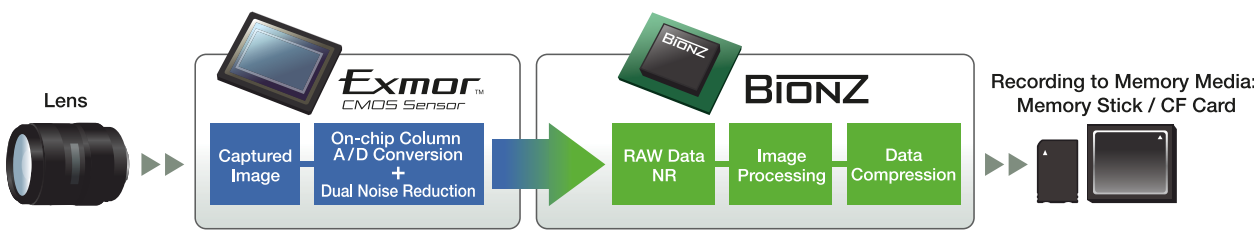


Proprietary new on-chip column A/D conversion and dual noise reduction

The α700's new Exmor CMOS sensor, developed and manufactured exclusively by Sony, maximizes the performance potential of the α lens lineup with 12.2-megapixel resolution that's rich in highlight and shadow detail. Because proprietary Sony noise reduction technologies are applied both before and after analog-to-digital conversion, right on the Exmor CMOS sensor itself, signal output is exceptionally clean even at sensitivity settings as high as ISO 3200. In addition, a 3-layer low pass filter preserves high-resolution detail while suppressing moiré effects and color artifacts.

Advanced new Bionz™ image processing engine

70-200mm F2.8G (SAL70200G), M mode, 1/800 sec., F4, ISO 200, White balance: Custom



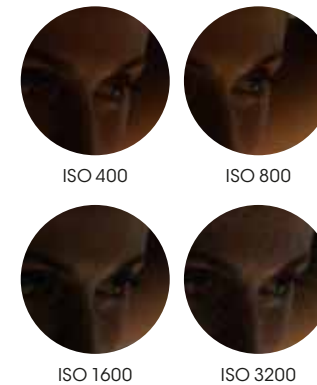
The Exmor CMOS sensor and Bionz image processing engine work as a team to reduce noise and ensure crisp, accurate reproduction of details captured by the α lens.

Another step forward in the evolution of image quality

The α700's new Bionz image processing engine employs proprietary Sony technology to capture colors with a rich sense of texture and depth, just as the human eye perceives them. It begins with a cleaner signal because the Exmor CMOS sensor's on-chip circuitry suppresses noise from the outset, and it packs the power needed to process the sensor's massive data output with lightening speed. What's more, Bionz refines the signal even more by screening out noise during both RAW data conversion and image processing, faithfully reproducing the full range of detail, contrast, and color that is captured by α lenses.

Advanced noise reduction for clearer images

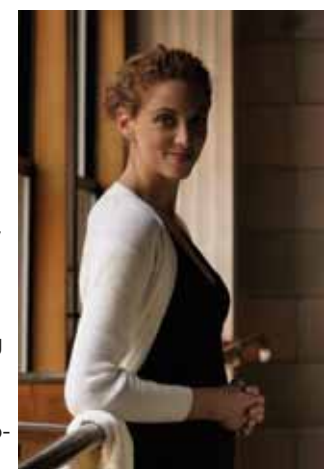
50mm F1.4 (SAL50F14), M mode, 1/160 sec., F5.6, ISO 100, White balance: Custom



You can select sensitivity settings from ISO 100 to 3200. ISO 6400 is also available in extended ISO mode.

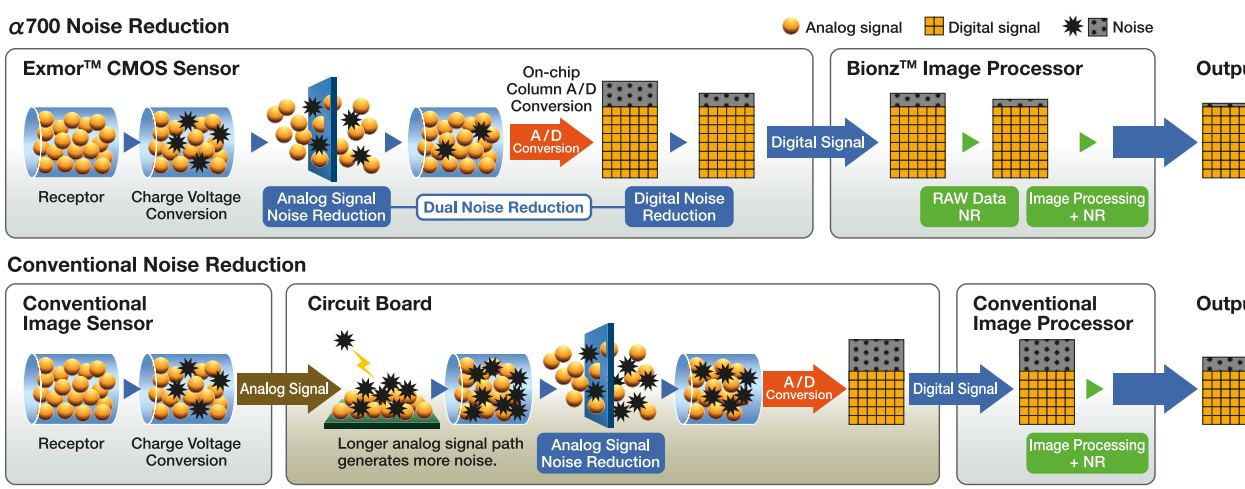
Exmor™ + Bionz™ multi-stage noise reduction

The α700 employs advanced technologies at every stage of image acquisition and processing to reduce the electrical signal noise that can degrade image quality, especially when taking long exposures or using high ISO sensitivity settings. When a photo is taken, the Exmor CMOS sensor's on-chip circuitry suppresses noise both before and after it carries out analog-to-digital signal conversion. Within the Bionz image processing engine, noise reduction is also applied during both RAW data conversion and image processing to ensure an absolute minimum of noise in the final image data. In addition, high ISO noise reduction is automatically applied when shooting at ISO 1600 or more.



High ISO noise reduction

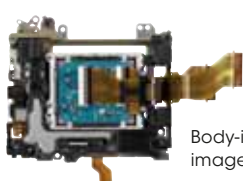
When ISO sensitivity is set to 1600 or higher, high ISO noise reduction is automatically activated. (High, Normal, or Low is user-selectable.)



Look sharp, with Super SteadyShot® Inside

Vario-Sonnar® T* DT16 -80mm F3.5 -4.5 ZA (SAL1680Z), M mode, 1/8 sec., F4, ISO 200, White balance: Custom

Because the Super SteadyShot system is mounted inside the α700's body, it provides effective image stabilization with any α series lens.



Body-integrated image stabilization unit

Improved body-integrated image stabilization that works with any lens

The α700 incorporates an improved version of our Super SteadyShot image stabilization system to help prevent blurring caused by camera shake. Unlike lens-based systems, the Super SteadyShot system is built into the camera body and works by shifting the image sensor. As a result, it can provide protection against blurring with any lens. What's more, the new system's more effective stabilization enables users to shoot at shutter speeds from 2.5 to 4 steps slower than would otherwise be possible, so even shots that would normally require the use of a tripod or flash can be taken handheld.

Comparison of body-integrated image stabilization effect

Super SteadyShot OFF

Super SteadyShot ON

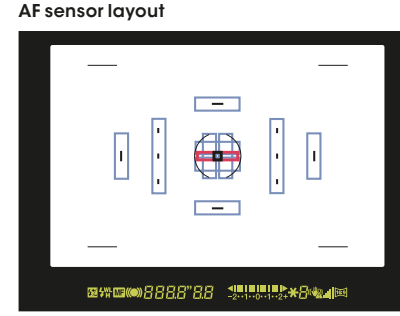
Faster, more precise, 11-point autofocus system

100mm F2.8 Macro (SAL100M28), A mode, F4.5 (1/10 sec.), +1.0EV, ISO 100, White balance: Daylight

Improved accuracy with moving subjects and large-aperture lenses

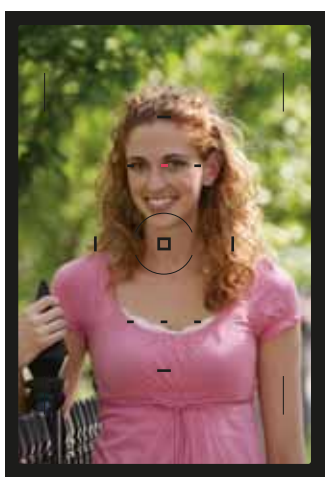
A new, center dual cross 11-point AF sensor system, developed and manufactured by Sony, significantly boosts autofocusing accuracy and speed to ensure fewer missed shots. The 11-point layout allows great freedom in how subjects are framed, and the system's quick response heightens accuracy when shooting moving subjects. In addition to the center dual cross sensor, a dedicated new sensor has been incorporated to significantly boost focusing precision when shooting at apertures of F2.8 or larger.

AF sensor layout



AF sensor

AF sensor for F2.8 aperture or larger



The 11-point layout makes it easy to focus on the subject's eyes when taking vertically oriented portrait photos, and it provides good coverage for quick, precise focus with moving subjects, too.

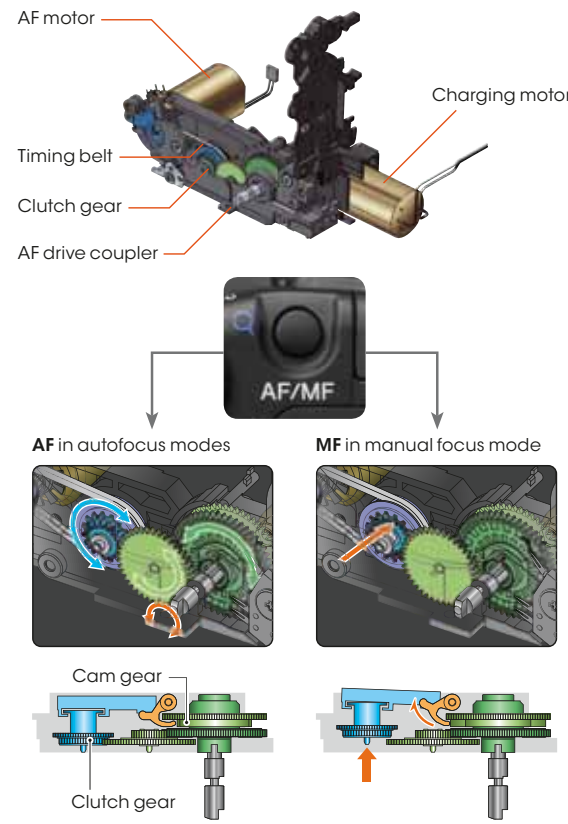
Focusing options to suit your shooting style

New AF/MF button for easy focus mode switching

The key to easy, responsive focusing is the ability to switch seamlessly between auto (AF) and manual (MF) operation. On the α700, a focus drive clutch mechanism enables you to switch back and forth between the two simply by pressing the new AF/MF button on the back of the camera. Operation is so intuitive, there's no need to alter your grip or take your eye from the viewfinder. A dial on the front of the camera provides easy access to four focusing modes: manual focus (MF), single AF (AF-S), continuous AF (AF-C), and an auto AF (AF-A) mode that automatically switches from single AF to continuous AF when the system detects that a subject is moving. By combining AF/MF button switching with the high-speed, high-precision AF mode of your choice, you can enjoy accurate and responsive focusing in virtually any situation.

4 Focus Modes
S: Single AF
A: Auto AF
C: Continuous AF
M: Manual focus

AF/MF button and focus clutch mechanism



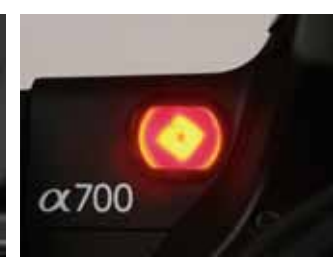
When the AF/MF button is pressed, it switches focus modes by toggling the position of the focus clutch. The button can be customized to switch focus modes each time the button is pressed, or to switch modes only while the button is pressed.

Dual sensors for Eye-Start® AF activation

Although autofocusing is ordinarily activated by pressing the shutter button half-way, the Sony Eye-Start system automatically activates it for you as soon as you grip the camera and put your eye to the viewfinder. And that means you're ready to start shooting sooner, and are able to make the most of almost every photo opportunity.

Eye-Start grip sensor

Eye-Start eyepiece sensor

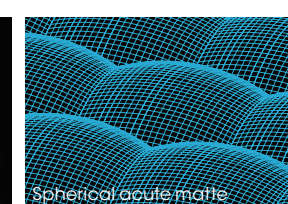


AF illuminator

The AF illuminator on the front of the camera has a range of up to 7 meters, and automatically provides supplementary illumination to enable accurate autofocusing even in the dark.

Bright, clear viewfinder for easy focusing

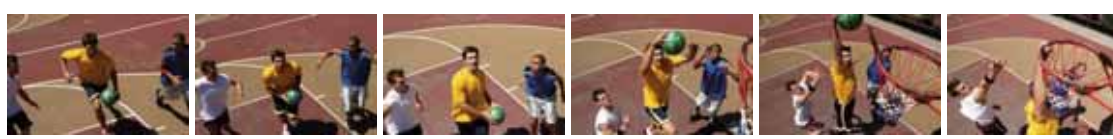
The bright, clear viewfinder features a precision-ground optical glass pentaprism and a high refractive index eyepiece lens, treated with an anti-reflective coating to help prevent ghosting. A spherical acute matte focusing screen aids manual focusing by making it easy to identify the correct focus point.



Optical glass pentaprism

Full-resolution continuous shooting at 5 fps

Vario-Sonnar® T* DT16 -80mm F3.5 -4.5 ZA (SAL1680Z), M mode, 1/1000 sec., F8, ISO 400, White balance: Daylight



Drive modes available
Continuous advance (Hi 5 fps / Lo 3 fps), Single-frame advance, Self-timer (with 10 sec./ 2 sec. delay), and Bracket (exposure bracket, white balance bracket, and DRO advanced bracket.)

High-speed, high-capacity continuous shooting

Thanks to the α700's blazingly fast new Bionz engine, high-speed shutter, high-power coreless motor, and optimized processing sequence control, users can capture full-resolution 12.2-megapixel images at speeds up to 5 fps. A low-speed 3 fps setting is also offered, and continuous shooting of L-size images is possible up to the limit of available memory in JPEG Fine and Standard image quality modes.

Continuous shooting capacity

RAW	18 frames
cRAW	25 frames
RAW + JPEG	12 frames
cRAW + JPEG	12 frames
Extra fine	16 frames
Fine / Standard	Until memory card is full

* Number of recordable frames varies according to the type of memory media used, shooting conditions, and other factors.
* cRAW data is RAW data compressed by approximately 30%.

Responsive and interactive performance

Dual slots for memory cards

The α700 accepts both CompactFlash® and MemoryStick Duo™ recording media.* Users can select which of the loaded media they want to use by default; when the first card gets full, they can switch to the second card via a simple menu setting.

* Accepts high-speed MemoryStick Pro-HG Duo, as well as MemoryStick Duo and Pro Duo media.

Memory media capacity

Recording Mode	Media	No. of Images on a 1 GB Card					
		3:2 Aspect Ratio			16:9 Aspect Ratio		
		L (12MB)	M (6.4MB)	S (3.0MB)	L (10MB)	M (5.4MB)	S (2.6MB)
Standard (JPEG)	MemoryStick Duo	245	385	566	280	429	625
	CompactFlash	255	400	589	291	446	650
Fine (JPEG)	MemoryStick Duo	167	275	435	193	312	484
	CompactFlash	174	286	452	201	325	503
Extra fine (JPEG)	MemoryStick Duo	89	154	256	105	178	294
	CompactFlash	93	160	266	109	185	306
cRAW + JPEG	MemoryStick Duo	51	57	62	53	59	63
	CompactFlash	53	60	65	55	61	66
RAW + JPEG	MemoryStick Duo	38	42	44	39	43	45
	CompactFlash	40	44	46	41	44	47
cRAW	MemoryStick Duo	73	—	—	73	—	—
	CompactFlash	76	—	—	76	—	—
RAW	MemoryStick Duo	50	—	—	50	—	—
	CompactFlash	52	—	—	52	—	—

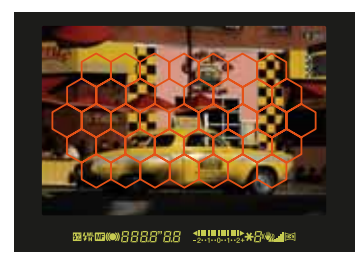
* cRAW data is RAW data compressed by approximately 30%

MemoryStick PRO-HD Duo™

CompactFlash®

3 high-precision metering modes

The α700 is equipped with a 40-segment honeycomb-pattern metering sensor that uses advanced new algorithms to ensure balanced exposures under a wide range of lighting conditions. Users can select 40-segment honeycomb-pattern metering, center-weighted metering, or spot metering via a 3-way metering mode switch conveniently positioned on the back of the camera.



40-segment honeycomb-pattern metering

Center-weighted metering

Spot metering

Quick-response coreless motor and dual mirror stoppers

A high-power coreless motor is used to drive the high-speed shutter and mirror that were developed to enable 5 fps continuous shooting. In addition, a primary stopper and a secondary rebound stopper are employed to prevent the mirror bounce that can slow high-speed operation.

D-Range Optimizer for superior exposure balance

D-Range Optimizer off

DT11 -18mm F4.5 -5.6 (SAL1118),
A mode, F8 (1/200 sec.), +0.3EV,
ISO 200, White balance: Custom

Standard

Advanced Auto

Advanced: Level (Lv5)

Optimum exposure and contrast in backlit situations

The α700's D-Range Optimizer helps you take advantage of the Exmor CMOS sensor's wide dynamic range, and obtain richer shadow and highlight detail in backlit situations. In Standard mode, it assures more natural exposure balance by optimizing brightness and contrast for the image overall. In Advanced mode, it analyzes each area of the composition separately and offers 5 optimization levels for finer control, as well as a new D-Range Optimizer bracketing function that records the image at three different optimization levels for easy best-shot selection.

D-Range Optimizer bracketing

Lv1

Lv3

Lv5

Advanced mode creativity
Creative use of the D-Range Optimizer's advanced mode enables you to achieve the results you want even in difficult backlit shooting situations.

*D-Range Optimizer Advanced uses technology provided by Apical Limited.

Customizable creativity at your command

Image Style: B / W
Vario-Sonnar® T* DT16 -80mm F3.5 -4.5 ZA (SAL1680Z), A mode, F8 (1/80 sec.), -0.3EV, ISO 200

Image Style: Landscape
70-200mm F2.8 G (SAL70200G)

Image Style: Night view
Vario-Sonnar® T* DT16 -80mm F3.5 -4.5 ZA (SAL1680Z)

5 adjustable parameters
Contrast
Saturation
Sharpness
Brightness
Zone matching

Creative Style settings

Standard	Rich tonal gradation and color; suitable for a wide range of subjects and scenes
Vivid	Heightened contrast; suitable for subjects such as flowers, spring foliage, sky scenes, and ocean views
Neutral	Attenuated saturation and sharpness; provides a neutral starting point for images that are to be post-processed
Adobe RGB	For capturing images in the Adobe RGB color space
Clear	For clear images with limpid colors in the highlights; helps evoke a sense of radiant light
Deep	For images with deep and dense color; helps evoke a sense of depth and solidity.
Light	For images with bright, uncomplicated color expression; helps evoke a light, refreshing ambience
Portrait	For images with rich, natural skin tones; ideal for portraits
Landscape	Heightened saturation, contrast, and sharpness for crisp detail and vivid color; ideal for landscapes and scenic views
Sunset	Attenuated contrast for more faithful reproduction of night view tonalities
Night view	Attenuated contrast for more faithful reproduction of night view tonalities
Autumn leaves	Saturated reds and yellows for scenic views of autumn foliage
B/W	For black and white images
Sepia	For monochromatic sepia-tone imaging

Creative Style settings you can tune to suit your taste

The α700's versatile Creative Style settings let you quickly adjust image parameters to suit your preference and creative intent. There are four basic Image Styles (Standard, Vivid, Neutral, and Adobe RGB), and three styleboxes to which you can assign any Image Style of your choosing. The four basic Image Styles can be adjusted for contrast, saturation, and sharpness, and the styles in the three styleboxes can be adjusted for contrast, saturation, sharpness, brightness, and zone matching (no saturation adjustment on Sepia or B/W). With a total of 14 Image Styles to suit the subject and situation, the α700 makes it easy to get the precise image you want.

Extending your mastery over light and color

Easy dial access to basic exposure and scene modes

The mode dial on the top of the α700 provides immediate access to Program Auto, Aperture priority, Shutter-speed priority, and Manual exposure modes, as well as a fully-automatic Auto mode and 6 Scene Selection modes. The Scene Selection modes apply optimized AF, drive mode, exposure, brightness, contrast, and other settings appropriate to each type of scene, making it possible for users to automatically obtain beautiful portraits, landscapes, sunsets, sports, macro photos, and night scenes.

AUTO	**Auto adjustment mode**	Settings are automatically adjusted by the camera
P	**Program auto mode**	Shutter speed and aperture are set automatically, but other settings can be adjusted and saved
A	**Aperture priority mode**	User sets aperture manually; camera selects optimum shutter speed automatically
S	**Shutter speed priority mode**	User sets shutter speed manually; camera selects optimum aperture automatically
M	**Manual exposure mode**	User sets both aperture shutter speed
MR	**Memory recall mode**	User recalls settings recorded in memory
	Portrait	For beautiful portraits with soft background defocusing
	Landscape	For crisp, vivid images of distant scenery and foreground subjects
	Macro	For clear, sharp images of flowers, insects, and other small subjects
	Sports action	For sharp images of fast-moving subjects in bright light
	Sunset	For sunset images with rich red tones
	Night view / portrait	For beautiful images of night scenes / For balanced exposures of foreground subjects and background lights

White balance bracketing

Color temperature: 5500 k

Color temperature: 5000 k

Color temperature: 6200 k

White balance settings

AWB (Auto WB)	Adjusts white balance automatically
Daylight	For outdoor subjects in bright sunlight (+3 to -3)
Shade	For outdoor subjects in shady areas on sunny days (+3 to -3)
Cloudy	For outdoor subjects under cloudy skies (+3 to -3)
Tungsten	For indoor subjects illuminated by incandescent light (+3 to -3)
Fluorescent	For indoor subjects illuminated by fluorescent light (+4 to -2)
Flash	For indoor subjects illuminated by flash (+3 to -3)
Custom 1-3 / Custom set-up	For user-configurable custom white balance settings
Color temperature	For white balance setting by color temperature (2500K ~ 9900K)
Color filter	For white balance setting by filter type (G9~M9)

Versatile white balance color control options

Under normal shooting conditions, the Auto white balance setting enables you to capture natural color just as the human eye perceives it. But there are also a range of preset and custom modes to help you achieve the effect you want. In addition, the α700 offers white balance bracketing, which records three frames at different white balance settings for easy best-shot selection.

Built-in flash, plus external flash synchro

The built-in flash offers a versatile range of modes, a guide number of 12 (ISO100 · m), and a maximum synchronization speed of 1/250 sec. (1/200 sec. with Super SteadyShot). A new manual control mode allows users to regulate flash brightness regardless of metered exposure values, and a synchro terminal enables the use of high-power grip-type external flash units and multi-flash studio systems.

External flash synchro terminal

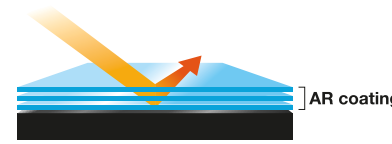
Built-in flash

3.0" Xtra Fine LCD

* Image is simulated.

AR (Anti-Reflective) coating assures excellent visibility outdoors

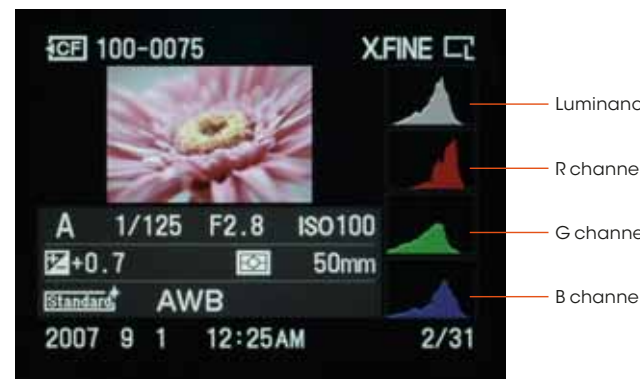
Without AR coating
(high reflectivity, low visibility)



With AR coating
(low reflectivity, high visibility)

920,000-dot (approx.) resolution for ultra-sharp image display

On-the-spot image review is one of the fundamental benefits of digital photography, and the α700 maximizes that advantage with a big, new 3.0" Xtra Fine LCD. Boasting a pixel count approximately four times higher, and contrast approximately 2.8 times higher, than our previous 2.5" monitor, it has a screen display resolution of 270 ppi —higher even than the 200 ppi resolution that is generally acknowledged to be the upper limit of what the human eye can distinguish. Hybrid construction and AR (Anti-Reflective) coating assure that fine details are easy to see even when viewing the monitor outdoors.



Convenient new RGB histogram and index display options

The α700's new 3.0" Xtra Fine LCD also offers a range of new viewing and information display options. In addition to conventional histogram and flashing highlight/shadow warning displays, it offers an RGB histogram color balance checking. There's also a view that displays five preceding/following frames in addition to the current frame, greatly facilitating best-shot selection from a series of bracketed or sequential images. In index view, the monitor can be set to display 4, 9, or 25 frames according to preference.

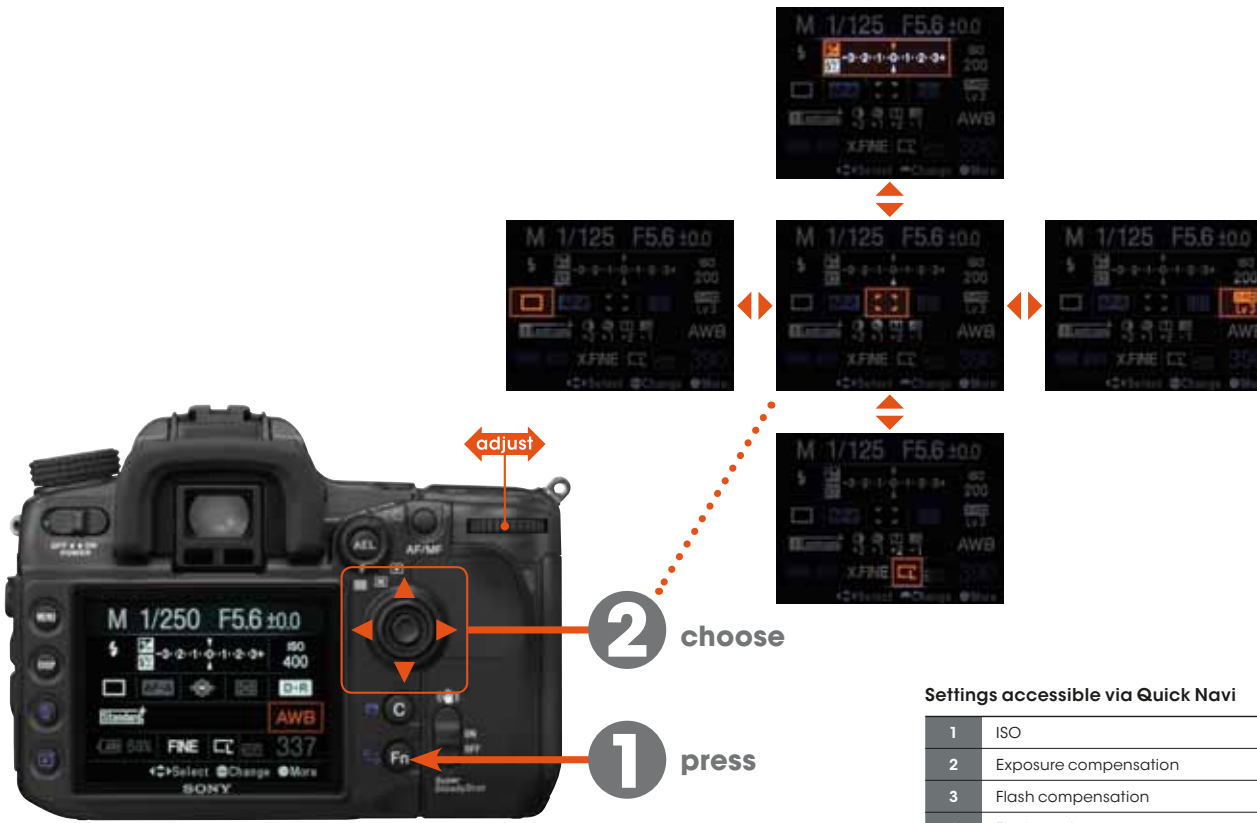
Single-frame view
(with shooting info)

Single-frame view
(with 4 previous/following images)

4-frame index view

25-frame index view

New Quick Navi GUI for responsive control



Easy one-handed access to settings while shooting

A quick press of the Function (Fn) button switches the LCD monitor from standard information display to Quick Navi information display, where you can quickly and easily adjust shooting parameters simply by choosing them with the multi-selector and rotating the front or rear control dial. With Quick Navi, your creative flow isn't interrupted because you can exercise complete control using only the thumb and forefinger of your right hand.

Settings accessible via Quick Navi

1	ISO
2	Exposure compensation
3	Flash compensation
4	Flash mode
5	Drive mode
6	White balance
7	AF area
8	D-Range Optimizer
9	Creative Style
10	Image quality
11	Image size

Essential information at a glance

The monitor can be set to display essential shooting information in either standard (detailed) or enlarged (simplified) formats, and the screen automatically switches to a vertical-format display when you rotate the camera for vertical-format shooting. To eliminate distractions when shooting, the display extinguishes itself automatically when you put your eye to the viewfinder.

Enlarged format | Standard format | Vertical format

Customization options to suit your shooting style

Optional VG-C70AM vertical grip

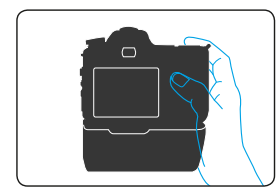
The VG-C70AM vertical grip offers unparalleled handling stability and operating ease for vertical-format shooting. It can hold two InfoLITHIUM (NP-FM500H) batteries, and will automatically switch to the second battery when the first one runs out. The body of the grip boasts the same rugged yet lightweight dust- and moisture-resistant* magnesium-alloy construction as the α700's body, and is equipped with a full complement of buttons and switches for the most essential control functions.

* Not waterproof or splashproof.

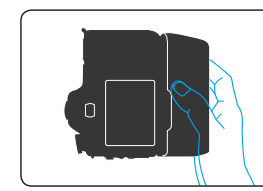
With the vertical grip attached, vertical-format shooting is as easy and comfortable as horizontal-format shooting.

A wide range of customizable settings

The α700 offers an exceptionally wide range of ways in which you can customize the camera to suit your shooting style. Up to three combinations of as many as 26 different shooting parameters can be stored in memory and instantly applied by setting the mode dial to MR (Memory Recall), and the Custom (C) button on the back of the camera can be assigned to open the settings for the function you use most frequently. In addition, there are 21 different Custom menu items whose default behavior can be set to suit your preference.



Vertical grip attached



Vertical-format shooting

Memory Recall (MR) mode customizable parameters

Exposure mode	Flash compensation
Drive mode	ISO Auto max.
ISO sensitivity	ISO Auto min.
White balance	AF-A setup
Exposure compensation	AF area
Metering mode	Priority setup
Focus mode	D-Range Optimizer
Image size	Image quality
Creative Style	Aspect ratio
Custom button	AF illuminator
Exposure step	AF area position
Flash mode	AF with shutter
Flash control	Long exposure noise reduction
Power ratio (manual flash)	High ISO noise reduction

Custom (C) button function assignments

AF lock	White balance
AF area	D-Range Optimizer
AF/ MF control	Exposure compensation
Image size	Flash mode
DOF preview	Flash compensation
Image quality	Drive mode
ISO	Memory
Creative Style	

Custom menu items

Menu	Property
Menu 1	
Eye-Start AF	Eye-Start AF on/off
Eye-Start trigger	Eye-Start AF w or w/o Grip sensor
AF/MF button	AF/MF button / AF lock button
AF/MF control	AF/MF button hold / toggle
AF drive speed	Fast/slow AF drive speed
AF area display	AF area display duration
Focus hold button	Focus hold button / depth of field preview button
Menu 2	
AEL button	AEL hold/toggle
Control dial setup	Control dial to adjust shutter speed / aperture
Dial exposure compensation	Exp. comp. on dial
Control dial lock	Control dial lock on/off
Button operations	Button operations display / Quick Navi screen
Release w/o Card	Shutter release w or w/o card
Release w/o Lens	Shutter release w or w/o lens
Menu 3	
Red eye reduction	Red eye reduction on/off
Exposure compensation set	Compensate for ambient light + flash or ambient light only
Bracket order	Order in bracketing
Auto review	Auto review duration
Auto off with viewfinder	LCD on/off when looking into viewfinder
Recording info display	Recording info display autorotation / horizontal only
Image orientation	Image orientation info recording on/off
Menu 4	
Custom reset	Reset custom functions yes/no

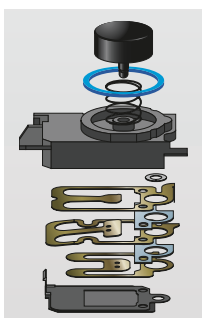
Robust enough to meet any challenge

A strong, lightweight body

For rugged and reliable performance under adverse conditions, the top and front covers of the α700's body are constructed of a strong, lightweight magnesium alloy. Within the camera, a high tensile-strength aluminum alloy chassis and high-rigidity engineering-grade plastics further contribute to high structural integrity and low weight.

Aluminum alloy chassis

Magnesium alloy top and front covers



Shutter button (exploded view)

Sealed rear and top button units

Protected against dust and moisture

No matter how strong internal and external body components are, cameras will be subject to damage if they are not protected against dust and moisture*. On the α700, buttons, dials, and switches are protected by gaskets and sealants for worry-free shooting outdoors.

* Not waterproof or splashproof.

New shutter unit

High-endurance shutter unit

To ensure long-term reliability under heavy use, the α700 is equipped with a newly developed high-precision, high-speed shutter unit that offers outstanding durability. Capable of withstanding the performance demands of 1/8000 sec. shutter speeds and 5 fps continuous shooting, the shutter unit has a service life of approximately 100,000 operating cycles, and is optimized to enable high-precision Super SteadyShot sensor-shift movement.

Power for worry-free shooting

New InfoLITHIUM™ battery with high-precision level display

To provide plenty of power for worry-free extended shooting, the α700 is equipped with a newly developed high-density InfoLITHIUM battery (NP-FM500H). When fully charged, it packs enough power for approximately 650 shots*. In addition, battery level is displayed in precise 1% increments that never leave you guessing, and as a quick-view 5-level icon.

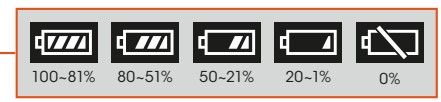
* CIPA standard test; built-in flash used on 50% of shots.

Although the α700's NP-FM500H InfoLITHIUM battery can also be used in the α100, the α100's NP-FM55H battery cannot be used in the α700.

NP-FM500H

InfoLITHIUM M SERIES

5-level battery level display



Battery level percentage display with single-digit accuracy

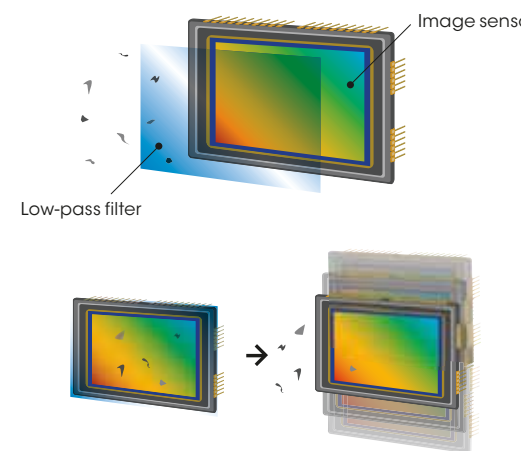
Without anti-dust protection (dust on sensor appears as blemish in blue sky)

With anti-dust protection

Anti-dust protection for cleaner images

With any digital SLR camera, care needs to be taken to ensure that airborne dust particles don't get into the camera and contaminate the sensor when you're changing lenses. On the α700, an anti-dust coating prevents static electricity buildup on the low-pass filter, and makes it easier to remove any stray dust particles inside the camera with a blower. In addition, the image sensor itself is fitted with an anti-dust system that dislodges dust particles by vibrating the sensor at high-speed every time the camera is switched off.

Anti-dust system

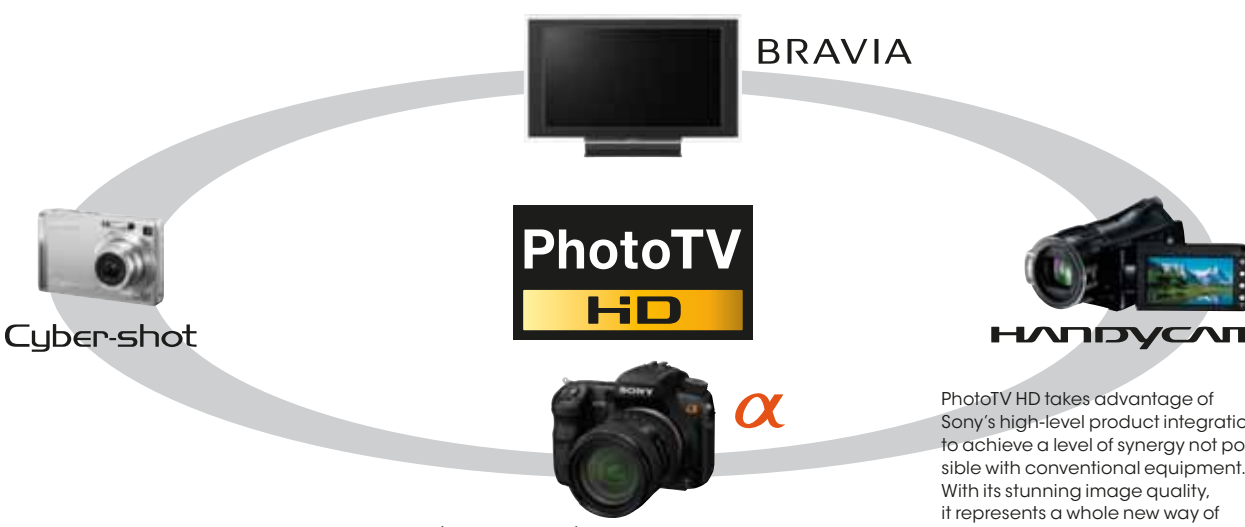


Dust particles dislodged by sensor vibration

PhotoTV HD — a new dimension in viewing pleasure

Stunning resolution and detail, displayed right on your TV

For the ultimate experience in home viewing pleasure, the α700 can be connected directly to a Sony BRAVIA™ HDTV to enable 1920 x 1080 full-resolution PhotoTV HD display. With BRAVIA PhotoTV HD, you'll enjoy a totally new viewing experience, one that combines the transparent clarity, color fidelity, and rich contrast of slide film with the big-screen impact of a slide projector. From skin tones to waves on a beach, BRAVIA PhotoTV HD brings out radiant beauty in every detail, filling the room with luminous, high-resolution images that launch photography into a new dimension.



PhotoTV HD takes advantage of Sony's high-level product integration to achieve a level of synergy not possible with conventional equipment. With its stunning image quality, it represents a whole new way of enjoying photography.

* Compatible Sony BRAVIA HDTV and HDMI cable (sold separately) required for PhotoTV HD viewing.

Fully automatic and optimized for photo viewing

Direct HDMI connectivity for hassle-free image quality

A single HDMI cable is all you need to connect the α700 directly to a Sony BRAVIA HDTV. When the cable is connected, the BRAVIA automatically applies PhotoTV HD settings optimized for still image display, assuring fast screen response and superb image quality. And you can easily control image playback using the wireless Remote Commander included with the α700 .

A choice of 3:2 and 16:9 aspect ratios

Many digital SLRs have a fixed 3:2 aspect ratio, which means that images displayed on a 16:9 format HDTV can't utilize the full width of the screen. The α700 eliminates this problem by giving you a choice of 3:2 and wide-screen 16:9 aspect ratios. For photos that you want to view on your BRAVIA, simply choose the 16:9 format, note the boundaries of the 16:9 display area on the viewfinder screen, and fire away. You'll be able to view your images in the full glory of the HDTV wide-screen format.

Horizontal lines near each corner of the viewfinder indicate the 16:9 format image area. When shooting RAW+JPEG images, the JPEG image is recorded at 16:9 and the RAW image is recorded at 3:2.

PhotoTV HD

The image quality mode optimized to the photograph appreciation is installed

The latest generation of BRAVIA televisions incorporate specially optimized PhotoTV HD display modes that bring out every image detail and color gradation in high definition. It's a synergy of α digital SLR imaging excellence and advanced BRAVIA HDTV display technology that only Sony could achieve.

Photo display on conventional TV (video mode)

Photo display on HDTV (video mode)

Full HD 1080

Still image

Photo display on BRAVIA HDTV (PhotoTV HD)

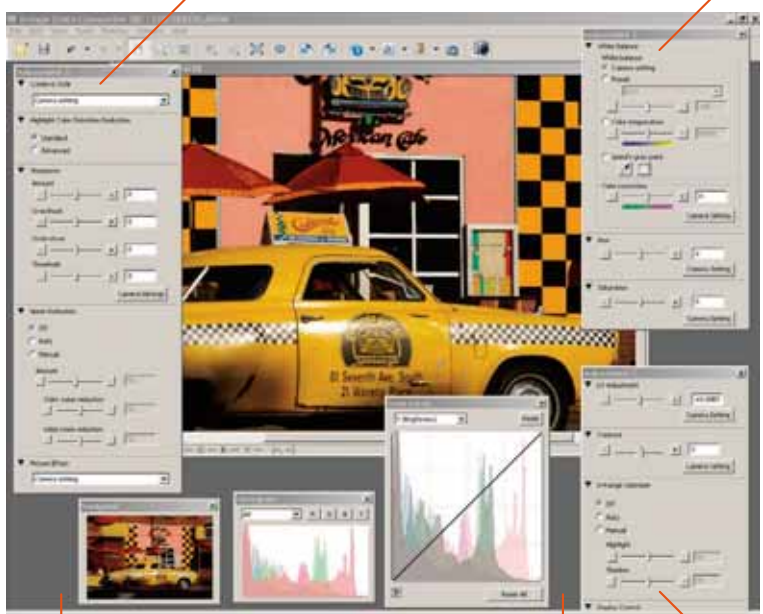
PhotoTV HD

* Images are simulated.

A powerful range of software tools

Adjustment palette 3:
for adjusting and setting Creative Style, sharpness, noise reduction, picture effect, etc.

Adjustment palette 1:
for adjusting and setting white balance, color correction, hue, saturation, etc.



Palettes for display area, histogram, and tone curves are also offered. Adjustments can be made quickly and intuitively, with full undo/redo control.

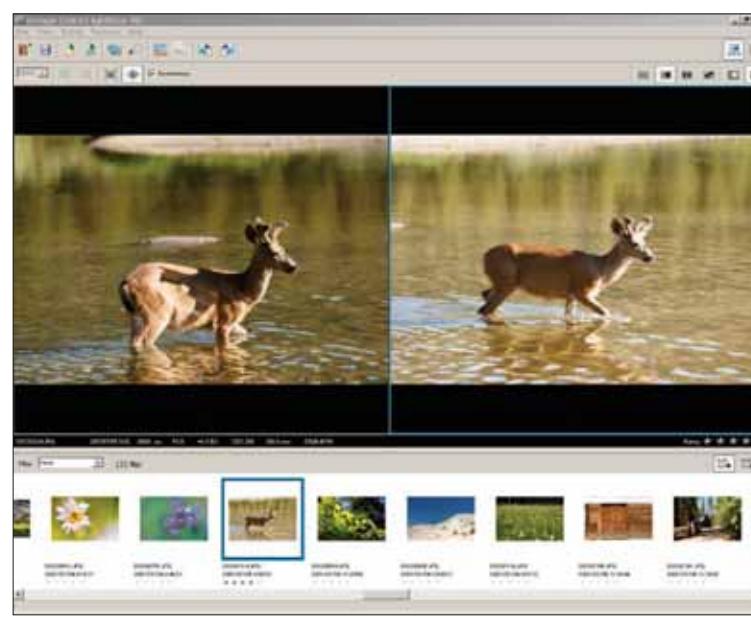
Adjustment palette 2:
for adjusting and setting exposure, contrast, D-Range Optimizer, etc.

Image Data Converter SR ver. 2.0 for RAW data image editing

The Image Data Converter SR software included with the α700 is an easy-to-use application for viewing and editing images recorded in the RAW data format. Featuring a powerful new engine that effectively doubles the speed of RAW data conversion and image editing tasks, it lets you adjust tone curves, white balance, exposure, saturation, contrast, hue, and sharpness. It also includes new D-Range Optimizer and Creative Style functions, and allows custom adjustment profiles to be saved and applied to multiple images. Image viewing, printing, and basic file management are also supported, and edited images can be resaved as RAW files, as well as converted to JPEG or TIFF format.

Image Data Lightbox SR

The included Image Data Lightbox SR software can be used alone, or in tandem with the Image Data Converter SR and Remote Camera Control. With numerous features for viewing, rating, sorting, and comparing images while they are still in the RAW data format, it greatly facilitates "best shot" selection and photo library management. It also enables you to create and maintain image collections for special projects, batch printing, or conversion to JPEG/TIFF format.



Remote Camera Control

The Remote Camera Control software enables you to control many of the α700's functions and record captured images directly to your computer's hard disk. In addition to shutter release, exposure, and focus, you can control the drive mode, white balance, image quality, and even the D-Range Optimizer.

System requirements

	Picture Motion Browser	Image Data Converter SR ver.2.0 / Image Data Lightbox SR / Remote Camera Control	
OS	Windows	Windows	Macintosh *2
	Windows 2000 SP4 Windows XP SP2 *1 Windows Vista *1	Windows 2000 SP4 Windows XP SP2 *1 Windows Vista *1 (Remote Camera Control supports Windows XP SP2 only)	Mac OS X (v.10.4) or later
CPU	Pentium III 500 MHz or faster (800 MHz or faster recommended)	Pentium III 1.0 GHZ or faster recommended	Power Mac G4 / G5 series (1.0 GHz or faster recommended) Intel Core Solo / Core Duo / Core2 Duo, or faster
Memory	256 MB or more (512 MB or more recommended)	512 MB or more (1 GB or more recommended)	512 MB or more (1 GB or more recommended)

*1 Except Windows XP/Vista 64-bit and Starter editions
*2 Not compatible with Mac OS X 10.3

Basic menu operation

Recording Menu	Custom Menu	Playback Menu	Setup Menu
1	1	1	1
Image size	Eye-Start AF	Delete	LCD brightness
Aspect ratio	Eye-Start trigger	Format	Info. display time
Quality	AF/MF button	Protect	Power save
D-Range Optimizer	AF/MF control	DPOF setup	Video output
Creative Style	AF drive speed	Playback display	HDMI output
Custom button	AF area display		Language
Exposure step	Focus hold button		Date/Time setup
2	2	2	2
Flash mode	AEL button	Slide show	Memory card
Flash control	Control dial setup		File number
Flash compens.	Dial exposure compensation		Folder name
ISO Auto max.	Control dial lock		Select folder
ISO Auto min.	Button operations		USB connection
	Release w/o Card		Mass Storage card
	Release w/o Lens		3
3	3		Menu start
AF-A setup	Red eye reduction		Delete confirmation
AF area	Exposure compensation set		Audio signals
Priority setup	Bracket order		Cleaning mode
AF illuminator	Auto review		Reset default
AF with shutter	Auto off with viewfinder		
Long exp. NR	Recording info. display		
High ISO NR	Image orientation		
4	4		
Memory	Custom reset		
Rec mode reset			

* For details of Custom Menu, see P.17.

Explore your imagination

There's virtually no limit to the ways you can express yourself with the α700. Including G series and Carl Zeiss® lenses to satisfy the most demanding professional, the α lens lineup has it all — from super wide angle, zoom, and macro, to Smooth Trans Focus and reflex super telephoto. And with the addition of the four new lenses shown here, it's a lineup that continues to grow.

DT 16-105mm F3.5-5.6 (SAL 16105) NEW

Designed specifically for use with APS-C type sensors like the one in the α700, this new standard zoom offers a focal range equivalent to 24–157.5mm on a 35mm format camera. Amazingly compact, it incorporates one ED (Extra-low Dispersion) glass lens element and two glass aspherical lens elements to suppress color aberration and assure excellent contrast across the zoom range.

Lens configuration: 15 elements in 11 groups
Min. focus: 0.4m Max. magnification ratio: 0.29 x
Dimensions (Max. ∅ x L): 72 x 83 mm Weight: approx. 470g
Supplied accessory: petal hood

DT 18-250mm F3.5-6.3 (SAL18250) NEW

This powerful yet compact lens boasts a 14x zoom range for outstandingly versatile performance. Offering a 35mm-equivalent range of 27–375mm, it provides an all-in-one APS-C imaging with a bare minimum of weight and bulk.

Lens configuration: 16 elements in 13 groups
Min. focus: 0.45 m
Max. magnification ratio: 0.29 x
Dimensions (Max. ∅ x L): 75 x 86 mm
Weight: approx. 440 g
Supplied accessory: petal hood

70-300mm F4.5-5.6G SSM (SAL70300G)

A high-precision G series telephoto zoom lens with a quiet and responsive SSM (Super Sonic wave Motor) autofocus drive system. With a minimum focusing distance of only 1.2m, it's perfect for everything from portraits to sports photography, and its high-grade G series optics ensure superb contrast across the entire zoom range. Offers a 35 mm-equivalent focal length range of 105–450mm when mounted on the α700.

NEW

Available Spring 2008

DT 55-200mm F4-5.6 (SAL55200) NEW

This light, compact, and affordable zoom is designed specifically for APS-C type sensor imaging, and offers 35mm-equivalent medium telephoto to telephoto power of 82.5–300mm. Makes a great companion to the DT 18–70mm standard zoom lens.

Lens configuration: 13 elements in 9 groups
Min. focus: 0.95 m
Max. magnification ratio: 0.29 x
Dimensions (Max. ∅ x L): 71.5 x 85 mm
Weight: approx. 295 g
Supplied accessory: circular hood

With ND filter

With PL filter

Carl Zeiss® Filters NEW

These high-quality filters bring out the best in your lenses with famous Carl Zeiss® T* coatings that suppress ghosting and flaring. Available in a range of sizes, with a low profile that prevents vignetting when used with wide angle lenses.

MC Protectors
VF-49MPAM / 55MPAM / 62MPAM / 72MPAM / 77MPAM
A clear filter to protect valuable lenses from scratches and dust.

ND Filters
VF-49NDAM / 55NDAM / 62NDAM / 72NDAM / 77NDAM
These ND filters reduce the amount of light reaching the sensor without affecting color quality. Featuring a density of ND8, they effectively reduce light by the equivalent of three f-stops.

Circular PL Filters
VF-49CPAM / 55CPAM / 62CPAM / 72CPAM / 77CPAM
Polarizing filters cut glare from reflective surfaces and water vapor in the atmosphere, heightening contrast to bring out more image detail, particularly in scenic photos and skyscapes.

α system accessories

Flash
HVL-F56AM
A top-of-the-line flash unit with a guide number of 56 (85mm, ISO100•m). Supports wireless flash and high-speed synchro at all shutter speeds. Variable-angle head features a built-in diffuser lens for wide coverage, and can be angled for bounce flash or close-up shooting.

Flash
HVL-F36AM
A versatile and compact flash unit with a guide number of 36 (85mm, ISO100*m). Supports wireless flash and high-speed synchro at all shutter speeds. A detachable diffuser lens is included, and the head can be angled upward for bounce flash shooting.

Ring Light
HVL-RLAM
Ideal for macro shooting. Can provide steady, full-circle lighting for shadowless illumination, or half-circle lighting to emphasize contrast and depth.

Macro Twin Flash Kit
HVL-MT24AM
Unsurpassed flash versatility for macro shooting, with a low-power modeling function that allows you to check shadow formation before shooting.

LCD Protect Cover NEW
PCK-LH1AM
A durable polycarbonate cover that protects the LCD monitor from scratches and breakage.

LCD Protect Sheet NEW
PCK-LS1AM
A thin, clear film that protects the LCD monitor from dust and scratches without blocking your view.

Shoulder Straps NEW
STP-SS2AM
40mm-wide straps with nylon inner surface. Available in black, cinnabar, and silver.

Shoulder Straps NEW
STP-SB1AM
Padded neoprene shoulder straps for increased comfort. Available in black and cinnabar.

Shoulder Strap NEW
STP-SH2AM
A fashionably slim and elegant 25mm-wide strap made of high-quality genuine leather.

Soft Carrying Case NEW
LCS-AMLC2
A high-quality genuine leather camera case designed to accommodate the α700 with a standard zoom lens attached. Easy-open design assures quick access.

Soft Carrying Case NEW
LCS-SC20*
A medium-size carrying case that can accommodate a camera body + standard lens, as well as two additional lenses, and a flash. A rain cover is also included.

Accessory Kit NEW
ACC-AMFM11*
An excellent accessory Value Kit that includes the Rechargeable Battery Pack NP-FM500H and Soft Carrying Case LCS-SC11.

* Availability may vary depending on areas.

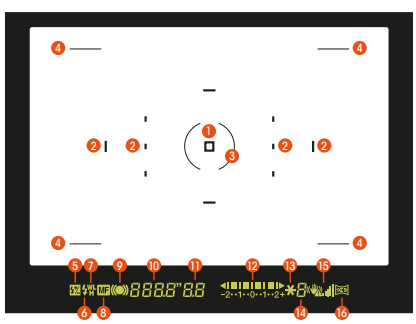
MemoryStick media
Memory Stick PRO Duo™ series & Memory Stick PRO-HG Duo™ series

The α700 accepts both MemoryStick PRO Duo and high-speed PRO-HG Duo media for fast data transfer.

CompactFlash media
NCFB & NCFC series, NCFD series

High-quality Sony brand CompactFlash media with fast read/write speeds for high-speed data transfer.

Controls and displays



1. Spot AF area
2. Local AF area
3. Spot metering area
4. Shooting area for 16:9 aspect ratio
5. Flash compensation
6. Flash being charged or lit
7. Wireless flash / High-speed sync
8. Manual focus
9. Focus
10. Shutter speed
11. Aperture
12. Ev scale
13. AE lock
14. Remaining shots counter
15. Camera-shake warning
16. 16:9 aspect ratio

1. Exposure mode
2. Shutter speed
3. Aperture
4. Flash mode
5. Ev scale
6. ISO sensitivity
7. Drive mode
8. Focus mode
9. AF area
10. Metering
11. D-range optimizer
12. Creative Style
13. Creative Style adjustment
14. White balance
15. Battery remaining
16. Image quality
17. Image size
18. Memory card
19. Remaining no. of recordable images
20. Quick Navigation

1. Memory card
2. Folder - file no.
3. Protect
4. DPOF set
5. Image quality
6. Image size
7. Shutter speed
8. Aperture
9. Date of recording
10. ISO sensitivity
11. File no. / total no. of images

α700 system accessories

α lens lineup

DT 11–18mm F4.5–5.6
(SAL1118)

16mm F2.8 Fisheye
(SAL16F28)

DT 18–70mm F3.5–5.6
(SAL1870)

20mm F2.8
(SAL20F28)

NEW

DT 16–105mm F3.5–5.6
(SAL16105)

28mm F2.8
(SAL28F28)

DT 18–200mm F3.5–6.3
(SAL18200)

50mm F1.4
(SAL50F14)

NEW

DT 18–250mm F3.5–6.3
(SAL18250)

50mm F2.8 Macro
(SAL50M28)

NEW

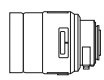
DT 55-200mm F4-5.6
(SAL55200)

100mm F2.8 Macro
(SAL100M28)

24–105mm F3.5–4.5
(SAL24105)

135mm F2.8 [T4.5] STF
(SAL135F28)

75–300mm F4.5–5.6
(SAL75300)


500mm F8 Reflex
(SAL500F80)

1.4x Teleconverter
(SAL14TC)

2x Teleconverter
(SAL20TC)

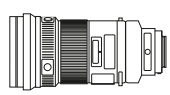
G lenses

35mm F1.4G
(SAL35F14G)

70–200mm F2.8G
(SAL70200G)

NEW

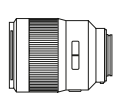
70–300mm F4.5–5.6G
(SAL70300G)*


300mm F2.8G
(SAL300F28G)

* Available in spring 2008

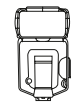
Carl Zeiss® lenses

Planar T*
85mm F1.4 ZA
(SAL85F14Z)

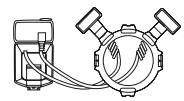

Sonnar T*
135mm F1.8 ZA
(SAL135F18Z)

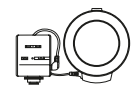
Vario-Sonnar T*
DT16–80mm
F3.5–4.5 ZA
(SAL1680Z)

Flash & flash accessories


External Flash
HVL-F56AM

External Flash
HVL-F36AM


Macro Twin Flash Kit
HVL-MT24AM


Ring Light
HVL-RLAM

External Battery
Adapter for Flash
FA-EB1AM

Off-Camera Shoe
for Flash
FA-CS1AM

Off-Camera Cable
for Flash
FA-CC1AM

Extension Cable
for Flash
FA-EC1AM

Multi-Flash Cable
FA-MC1AM

Triple Connector
for Flash
FA-TC1AM

Lens accessories

NEW

Circular PL filters
VF-49CPAM/ 55CPAM /
62CPAM / 72CPAM / 77CPAM

NEW

ND Filters
VF-49NDAM / 55NDAM /
62NDAM / 72NDAM / 77NDAM

NEW

MC Protectors
VF-49MPAM / 55MPAM /
62MPAM / 72MPAM / 77MPAM

Front Lens Caps
ALC-F49A / F55A /
F62A / F72A / F77A

ALC-F62Z /
F72Z / F77Z

Lens Hoods
ALC-SH0001 / SH0002 / SH0003 / SH0005 /
SH0006 / SH0007 / SH0008 / SH0009 / SH0010 /
SH0011 / SH0013 / SH0014 / SH0016

Rear Lens Cap
ALC-R55 / ALC-B55

Batteries / Grip & Charger

NEW

Vertical Grip
VG-C70AM

AC Adapter /
Charger
AC-VQ900AM

Rechargeable
Battery Pack
NP-FM500H

Shooting accessories

Angle Finder
FDA-A1AM

Magnifier
FDA-M1AM

Eyepiece Correctors
FDA-ECF05 / ECF10 / ECF15 / ECF20 / ECF30 /
ECN10 / ECN20 / ECN30 / ECN40

NEW

LCD Protect Cover
PCK-LH1AM

NEW

LCD Protect Sheet
PCK-LS1AM

NEW

Eyepiece Cup
FDA-EP2AM

Remote
Commander
RM-S1AM

Remote
Commander
RM-L1AM

Cases & Straps

Soft carrying cases

NEW

LCS-AMLC2
(Camera case)

LCS-SC20*
(System case)

NEW

LCS-AMSC30
(System case)

* Availability depends on areas

Shoulder Straps

STP-SS1AM
(Nylon)

NEW

STP-SS2AM
(Nylon)

NEW

STP-SB1AM
(Neo plane)

STP-SH1AM
(Genuine leather)

STP-SH2AM
(Genuine leather)

NEW

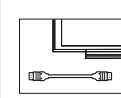
Lens Cases

LCL-60AM

LCL-90AM

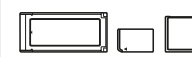
LCL-140AM

Others


HDMI Cable
VMC-15MHD, VMC-30MHD

GPS Unit Kit
GPS-CS1KA*

GPS Unit
GPS-CS1*


Memory Stick
Memory Stick Duo™ series,
Memory Stick PRO-HG Duo™ series
CompactFlash Card
NCFB & NCFC Series, NCFD Series

Digital Photo Printer
DPP-FP90

* For use with DSLR-A700, an application update is required. Please access the URL below for more information.
http://support.d-imaging.sony.co.jp/www/acc/gps/

Main specifications of α700

System	
Camera type	Digital SLR camera with built-in flash and interchangeable lenses
Lens mount	Sony α mount; compatible with Minolta A-type bayonet mount
Lens compatibility	All Sony lenses and Konica Minolta α / MAXXUM / DYNAX lens
Image Capture	
Image sensor type	Exmor™ CMOS sensor
Image sensor size	23.5 x 15.6 mm (APS-C type)
Total pixel number	Approx. 13,053,000 pixels
Effective pixel number	Approx. 12,246,000 pixels
Anti-Dust system	Charge protection coating on low pass filter and image-sensor shift mechanism
Recording	
Media	Memory Stick: Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO-HG Duo CompactFlash card: Type I, Type II (UDMA / Microdrive)
Slot	Dual slot for Memory Stick Duo / CompactFlash
File system	FAT 12, 16, 32
Image format	JPEG, RAW (ARW 2.0 format), RAW + JPEG
Image size	RAW: 4288 x 2856, L (12M, 3:2); 4272 x 2848, M (6.4M, 3:2): 3104 x 2064, S (3.0M, 3:2): 2128 x 1424, L (10M, 16:9); 4272 x 2400, M (5.4M, 16:9): 3104 x 1744, S (2.6M, 16:9): 2128 x 1200
Color space	sRGB, Adobe RGB
Noise reduction	Long Exp. NR: On/Off, available at shutter speeds longer than 1 sec. High ISO NR: High / Normal / Low, available at ISO 1600 or higher
Creative Style	Base Styles: Standard, Vivid, Neutral, Adobe RGB User setting registration: 3 style boxes; Standard, Vivid, Neutral, Adobe RGB, Clear, Deep, Light, Portrait, Landscape, Sunset, Night view, Autumn leaves, B/W, Sepia Adjustable Items: Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps), Brightness (-3 to +3 steps), Zone Matching (-1 to +2 steps)
D-Range Optimizer	Mode: Off, Standard / Advanced: Auto / Advanced: Level Advanced Level setting: 5 levels DRO advanced bracketing: 3 frames, H/L selectable
White Balance	
Mode	Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash Color Temperature / Color filter, Custom
Color temperature	2500 - 9900 k with 19-step Magenta / Green compensation
White balance bracketing	3 frames, H/L selectable
Super SteadyShot	
System	Image-sensor shift mechanism
Capability	Approx. 2.5 EV - 4 EV decrease in shutter speed (varies according to shooting conditions and lens used)
Viewfinder	
Type	Fixed eye-level system with optical glass type pentaprism
Field of view	95%
Magnifiation	0.9 x, with 50mm lens at infinity
Eye relief	Approx. 25 mm from the eyepiece, Approx. 21 mm from the eyepiece frame at -1 diopter
Diopter adjustment	-3.0 to +1.0 m-1
Mirror	Quick return mirror
Focusing screen	Spherical Acute Matte
Auto Focus System	
Type	(TTL) phase-detection system
Sensor	CCD line sensors
No. of focus point	11 points
Sensitivity range	0 EV to +18 EV (at ISO 100 equivalent)
Focus mode	Single-shot AF, Automatic AF, Continuous AF, Direct Manual Focus, Manual Focus
Focus area	Wide focus area (Auto,11 areas), Spot focus area, Local focus area (11 local areas, selection with the multi-selector)
Eye-Start AF system	On/Off selectable
AF illuminator	Type: built -in, LED Range: approx. 1 m - 7 m
Auto Exposure System	
Light metering	Type: TTL metering Cell: 40-segment honeycomb-pattern SPC Range: 0 EV to 20 EV (+2 EV to +20 EV with Spot metering) (at ISO 100 equivalent with F1.4 lens) Mode: Multi segment, Spot, Center weighted
Exposure setting	Auto, Program AUTO (with Program Shift), Shutter priority, Aperture priority, Manual , Scene selection (Portrait, Landscape, Macro, Sports action, Sunset, Night view/portrait)
Exposure compensation	+/-3.0 EV, 0.3 EV / 0.5 EV steps selectable
AE bracketing	Bracket: Cont.. / Bracket: Single, with 0.3 / 0.5 / 0.7 EV increments, 3/5 frames selectable
ISO sensitivity (REI)	AUTO: ISO 200 - 1600 (lower limit / upper limit selectable)
ISO range	ISO100 - 3200 equivalent (Up to ISO 6400 can be set as expanded ISO range.)
ISO steps	1/3 EV step

Flash	
Built-in flash system	Manual popup; approx. GN 12 (in meters at ISO 100); coverage of up to 16 mm (in the focal length); approx. 3 sec. recycling time; flash-ready indicator
Flash metering system	ADI flash / Pre-flash TTL / Manual flash
Flash mode	Autoflash, Fill-flash, Rear sync, Slow sync, Manual flash, Red-eye reduction, High speed sync (with external flash)
Flash compensation	+/- 3.0 EV (0.3 / 0.5 EV steps selectable)
Flash bracketing	3/5 frames, 0.3 / 0.5 / 0.7 EV steps selectable
External flash	Sony α System Flash Wireless control: available
Shutter	
Type	Electronically-controlled, vertical-traverse, focal-plane type
Speed range	1/8000 sec. - 30 sec., bulb
Flash sync speed	1/250 sec. (Super SteadyShot off), 1/200 sec. (Super SteadyShot on)
Drive	
Drive mode	Single-frame advance, Continuous advance (H/L selectable), Self-timer (10 sec. / 2 sec. delay, with mirror-up function)
Continuous advance rate	Hi: approx. 5 fps max., Lo: approx. 3 fps
No. of frames recordable w/ continuous advance	RAW: 18, cRAW (compressed): 25, RAW+JPEG: 12, cRAW+JPEG: 12, JPEG (Extra fine): 16, JPEG (Standard/Fine): until memory card is full
Camera Function	
Depth-of-field preview	Yes (by pressing Depth-of-field preview button)
Auto review	10 sec. / 5 sec. / 2 sec. / Off selectable
LCD Monitor	
LCD screen size	7.5 cm (3.0 type) TFT
Total number of dots	921,600 (640 x 3 (RGB) x 480) dots
Field of view	100%
LCD brightness setting	+/-5 steps
Print	
Print function	Exif Print, Print Image Matching III, PictBridge, DPOF setting
Interface	
HDMI Out	HDMI type C minijack 1920 x1080i 59.94/50 Hz, 1280 x 720p 59.94/50Hz, 720 x 480p 59.94 Hz, 720 x 576p 50 Hz
USB Out	USB2.0 (Hi-Speed), USB Connecting (Mass Storage, PTP, Multi LUN)
Sync. terminal	Adaptable to the sync. terminal of the opposite polarity
Video Out	NTSC / PAL selectable (in Menu)
Remote Control	
Wired	With optional RM-S1AM or RM-L1AM
Wireless	With RMT-DSLR1
PC control	Image data transfer and camera control with supplied software
Power	
Power source	Battery: Solely with the Recheageable Battery Back NP-FM500H (7.2 V) AC adapter: AC-VQ900AM (optional) (7.6 V)
Battery charger	BC-VM10
Battery life	Approx. 650 shots (CIPA measurement)
Power saving mode	Shut down after 1 / 3 / 5 / 10 / 30 min
Others	
Dimension (WxHxD)	Approx. 141.7 x 104.8 x 79.7 mm (excl. protrusions)
Weight	Approx. 690 g (w/o batteries, memory card, body accessories)
Operating temperature	32 - 104 degrees F (0 - 40 degrees C)

Specifications are based on the information at the time of printing and are subject to change without notice.

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